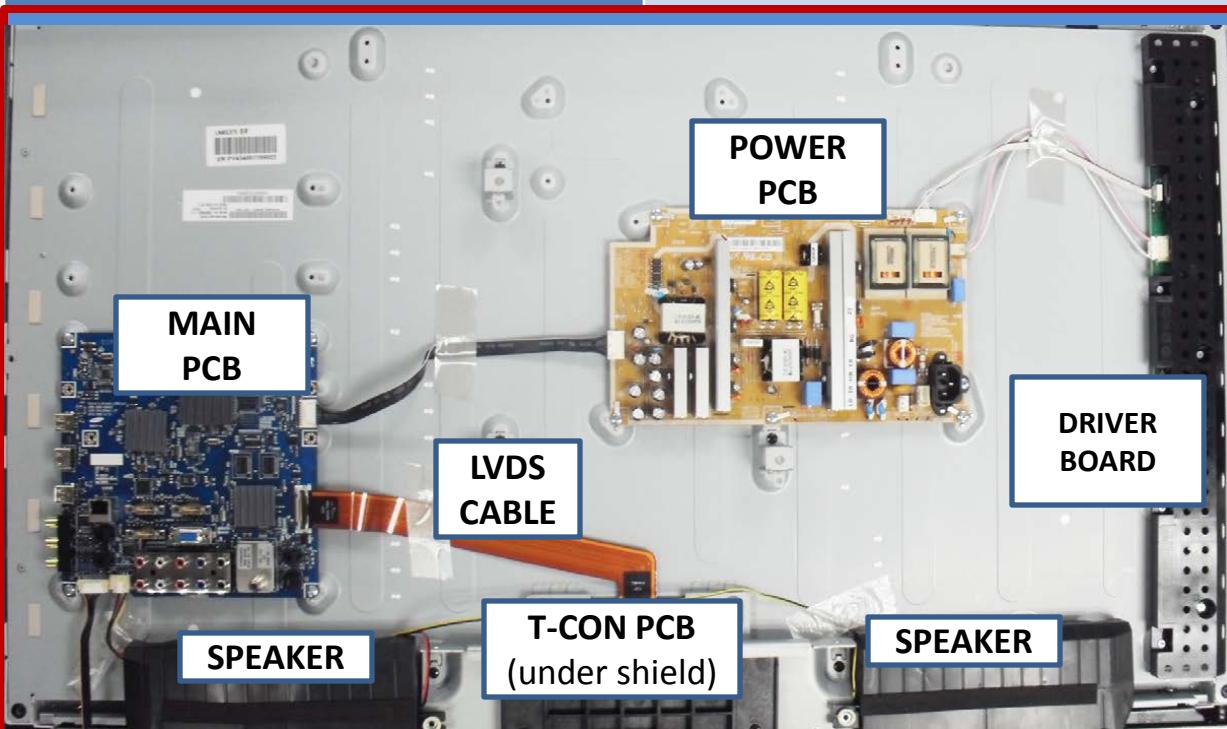


SERVICE BULLETINS

2011 LCD Option Byte Table
ASC20110624001.pdf



HELP: 888-751-4086; 866-894-0637 FE)

<http://gspn3.samsungcsportal.com>

PLUS ONE

<http://my.plus1solutions.net/clientPortals/samsung>

HOT TIPS

Power On Problems: (see page 2)

Video Problems: (see pages 3,4)

GSPN TIPS:

No Tips listed

FIRMWARE

Version: 1002.2

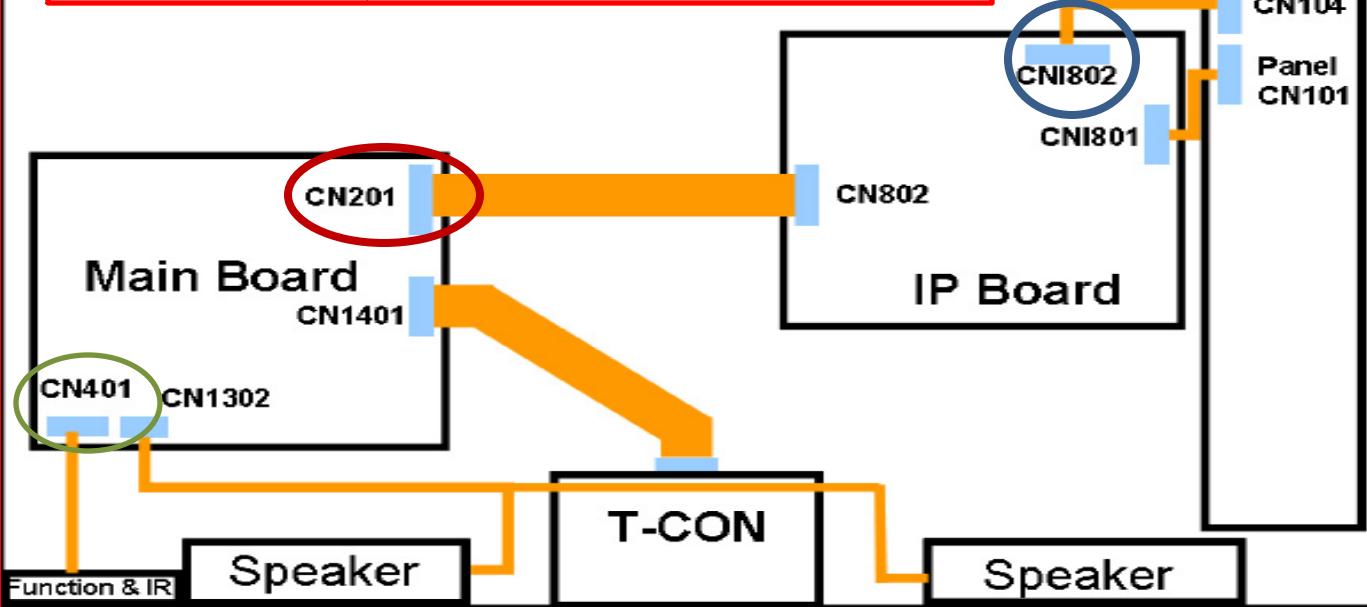
To fix USB Power Overload error message issue.
Be sure to check for latest SW updates.

PARTS (Board Assemblies)

Be sure to check for latest parts updates.

Model Code	Side Label	Panel Module	Inverter	Part No.		
				T-Con	Main B'd	Power
LN46D610M4FXZA	SQ01	BN07-01033A	-	BN81-06513A	BN94-04228D	BN44-00463A
	SN02	BN07-01038A	BN81-06721A	BN81-06718A	BN94-04228L	BN44-00463A

Connector	Function
CN201 → CN802	Supply main power and dimming signal from IP board to Main Board.
CN1401 → CN505	The LVDS signal transferred from Main Board to Panel .
CNI802 → Panel CN104	Feedback signal from driver.
CNI801 → Panel CN101	Supply power from IP board to Driver Board.



Power On Sequence (approximate Voltages)

1. **Standby Voltages: CN201-4 (5V)**
2. **Power On CN201- 2(0 – 3.5V)**
3. **Low Voltage Supplies On CN201-1, 3 -7, 13, 15, 16, 17 (Volts Listed on CN201)**
4. **Back Light On CN201- (0-5V delayed)**
5. **Back Light Confirm CNI802**
6. **Dimming Signal CN201-14**

CN201 (To Power board)			
1	B12 V_PW	10	GND
2	SW_P	11	GND
3	B12 V_PW	12	H_OUT
4	A5 V_PW	13	B13 V_PW
5	B5 V_PW	14	PWM_DIMMING_OUT
6	B5 V_PW	15	B13 V_PW
7	B5 V_PW	16	B5 V_PW
8	GND	17	B13 V_PW
9	GND	18	IP_DET

CNI 802			
1	E-PWM	8	GND
2	N.C	9	GND
3	BLU_ON	10	B24 V
4	INV_Err	11	B24 V
5	GND	12	B24 V
6	GND	13	B24 V
7	GND	14	B24 V

CN401 (To Function / IR)			
1	IR	6	KEY_INPUT1
2	GND	7	KEY_INPUT2
3	A3.3 V_PW	8	LED_STB
4	MSCL_A5 V	9	LED_CNTR
5	MSDA_A5 V	10	A3.3 V_PW

TROUBLESHOOTING VIDEO PROBLEMS

1. Verify Video Operation

- Boot Logo with power on
- Customer Picture Test** in user menu
- “Display”** (If display and Boot Logo & Customer Picture Test is OK the source or cables are first suspected. Then check for a defective input on the Main Board.)
- Substitute with known good Source
(**external DVD or Signal Generator** to check inputs on Main Board)

2. Using Test Patterns in Service Mode

- ENTER SERVICE MODE –

- Select an active source signal since Test Pattern may rely on signal source to appear or select TV Source mode.

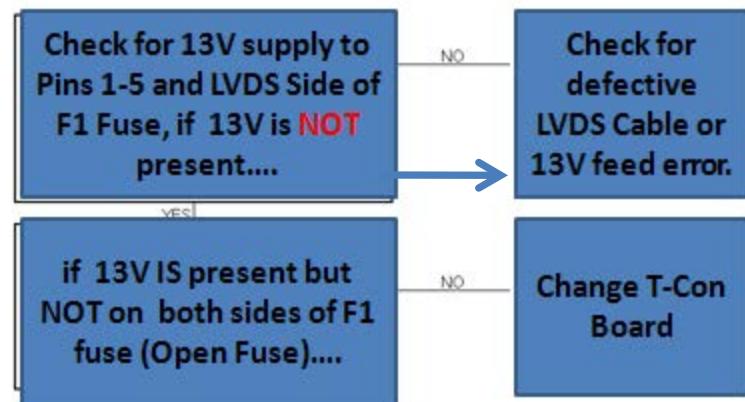
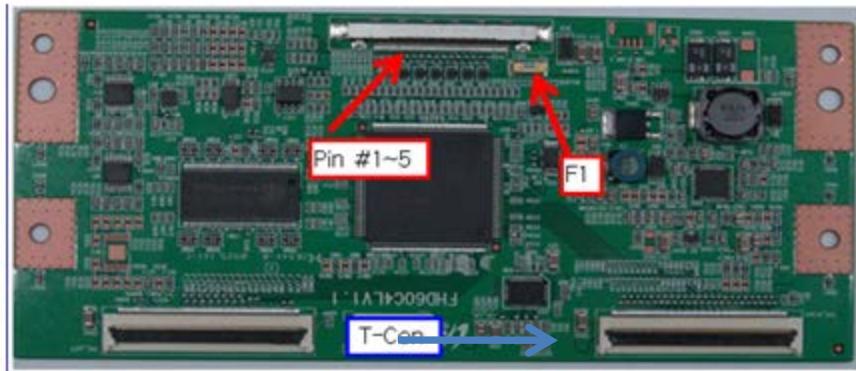
Customer Remote

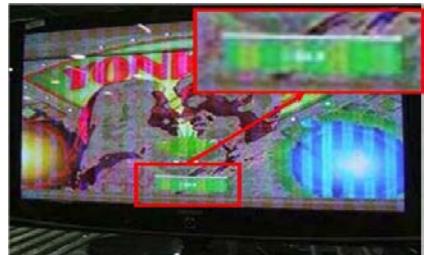
- Power Standby
- Mute, 182, Power On
- Select SVC
- Select Test Patterns

Service Remote

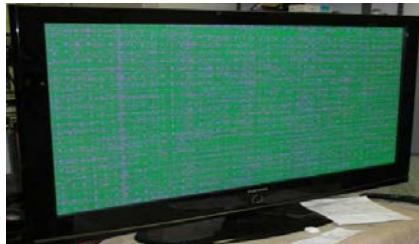
- Power On
- Info, Factory

T-Con Troubleshooting



ON SCREEN FAILURE EXAMPLES:

If Picture & Display errors
Defective Main Board, LVDS,
or T-CON



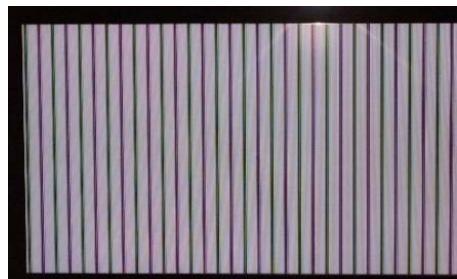
Green lines or a green screen
defective main board , LVDS , or
T-CON.



Original Image



Pixelization can be caused by the main board
but is more commonly a source error



Vertical or Horizontal Lines :Defective
Panel likely but also T-CON, LVDS, or Main
Board. Use Test Patterns in Factory Service
Mode to determine error)

ALIGNMENTS:**1. Check/Set Option Bytes: in Service Mode**

Option	T - MST4AUSC - XXX T - MST4AUSS - XXX E - Manual: UXSATSCA-XXXX
Control	EDID SUCCESS HDCP: SUCCESS CALIB: AV / COM / PC / HDMI / Option: XXXX XXXX XXXX X
SVC	SDAL - XXX RFS: P0154 T - T0T5AKSRC KERNERL MODULE VERSION: "XXXXXX_XX" 20XX - XX - XX TYPE: XXXXXX MAC Not Available FACTORY DATA VER: XXX EERC VERSION: XXX DTP - AP - COMP - 310 - 01 DTP - HIG - 0304 DTP - BP - 0314 DATE OF PURCHASE: XX / XX / XX
Expert	
ADC / WB	

Factory Reset	
Type	50HSnB4
Model	PF550
TUNER	ALPS
Region	US
DDR	SAMSUNG
Light Effect	Off
Inch	50"
Exhibition Mode	Off

Model Code	Front Color					
		Type	Model	Tuner	Region	
LN46D610M 4FXZA	T-C- BLK	46A1AF0C for SQ01 46D1AF0C for SN02	LD610	SEMCO	USA	

**2. Check/Perform latest Firmware
Upgrade for all repairs.****3. Perform reset in Service Mode &
Plug and Play if Main board is replaced.****SPECIAL NOTES:**

Inform customer of reset of all
Settings if Main Board or Panel is replaced.